

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	19	"704"/\$.ccls. and (PMC "parallel model combination") and mismatch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/14 17:06
S2	6	"704"/\$.ccls. and (PMC "parallel model combination") and mismatch and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 11:19
S3	39	"704"/\$.ccls. and (PMC "parallel model combination")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 08:07
S4	17	"704"/\$.ccls. and (PMC "parallel model combination") and (SNR signal\$to\$noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 17:11
S5	2	704/233.ccls. and (noise near3 compensat\$5) and (distance) and (SNR signal\$to\$noise) and (mismatch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 09:37
S6	5	"704"/\$.ccls. and (noise near3 compensat\$5) and (distance) and (SNR signal\$to\$noise) and (mismatch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 14:36
S7	37	"704"/\$.ccls. and (noise near3 compensat\$5) and (distance) and (SNR signal\$to\$noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 14:36
S8	41	"704"/\$.ccls. and (PMC "parallel model combination" (parallel near3 model near3 combination))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:56
S9	5477	"704"/\$.ccls. and ("delta parameters" same speech noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 16:55
S10	0	704/233.ccls. and ("delta parameters" near3 difference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 16:55
S11	3	704/233.ccls. and (delta near3 difference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 17:06
S12	1	704/233.ccls. and (delta near3 distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 17:07

S13	14	"704"/\$.ccls. and (PMC "parallel model combination") and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 17:20
S14	26	"704"/\$.ccls. and (PMC "parallel model combination") and likelihood	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 17:55
S15	15	704/233.ccls. and ((model hmm) near3 adapt\$6) and ((distance likelihood) and (mismatch (difference with noise with speech)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 18:09
S16	18	704/233.ccls. and (noise near3 (model hmm) near3 adapt\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 18:10
S17	10	"704"/\$.ccls. and (PMC "parallel model combination") and (noise near4 distribut\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 11:16
S18	1	"704"/\$.ccls. and (PMC "parallel model combination") and (absolute and normaliz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 11:16
S19	13	"704"/\$.ccls. and (PMC "parallel model combination") and (normaliz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 11:24
S20	36	704/233.ccls. and (normaliz\$4) and absolute	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 13:52
S21	277	704/233.ccls. and ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 13:53
S22	6	704/233.ccls. and (lower near3 SNR)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 13:53
S23	2	704/233.ccls. and (lower near3 Signal\$to\$noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 13:54
S24	2	"704"/\$.ccls. and (lower near3 Signal\$to\$noise) same (higher near3 (SNR signal\$to\$noise))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:02

S25	48	704/233.ccls. and (count\$4 near3 (segment portion frame))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:23
S26	19	704/246.ccls. and (count\$4 near3 (segment portion frame))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 13:00
S27	0	704/246.ccls. and (count\$4 near3 (segment portion frame)) and (noise near3 compensat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:29
S28	10	"704"/\$.ccls. and (count\$4 near3 (segment portion frame)) and (noise near3 compensat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:38
S29	2	"704"/\$.ccls. and (ratio with masked with unmasked)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:39
S30	2	"704"/\$.ccls. and (ratio same masked same unmasked)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:45
S31	0	"704"/\$.ccls. and (compare with masked with unmasked)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/16 14:45
S32	8	"704"/\$.ccls. and (PMC "parallel model combination" (parallel near3 model near3 combination)) and (wireless)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:23
S33	3	"704"/\$.ccls. and (PMC "parallel model combination" (parallel near3 model near3 combination)) and (wireless mobile) and (transceiver (receiver same transmitter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 12:14
S34	6	"704"/\$.ccls. and (count\$4 near3 frame) same (SNR (signal\$to\$noise))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 09:55
S35	60	"704"/\$.ccls. and (count\$4 near3 frame) and (SNR (signal\$to\$noise))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:06
S36	1	"704"/\$.ccls. and (count\$4 near3 frame) and (SNR (signal\$to\$noise)) and (PMC ("parallel model combination"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:06

S37	17	"704"/\$.ccls. and (PMC "parallel model combination" (parallel near3 model near3 combination)) and (speaker near3 (verif\$6 recognit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:24
S38	19	"704"/\$.ccls. and (PMC "parallel model combination" (parallel near3 model near3 combination)) and ((voice speaker) near3 (verif\$6 recognit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:27
S39	3	"704"/\$.ccls. and (PMC "parallel model combination" (parallel near3 model near3 combination)) and ((voice speaker) near3 (verif\$6 recognit\$6)) and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:28
S40	26	"704"/\$.ccls. and (((voice speaker) near3 (verif\$6 recognit\$6)) with threshold same (database memory storage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:30
S41	1	"704"/\$.ccls. and (((voice speaker) near3 (verif\$6 recognit\$6)) with threshold same (database memory storage)) and ((noise near3 compensation) (model near3 adaptation))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 10:50
S42	63	704/233.ccls. and ((noise near3 compensat\$6) (model near3 adaptation))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 12:15
S43	8	704/233.ccls. and ((noise near3 compensat\$6) (model near3 adaptation)) and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 12:21
S44	8	704/233.ccls. and (absolute with threshold) and normaliz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 12:21
S45	752	704/246.ccls. 704/250.ccls. 704/244.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 13:57
S46	2	"20020065649"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/19 13:57
S47	2	(smoothed with unsmoothed) with gain	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 14:36

S48	517	(smoothed) with gain	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 14:36
S49	171	smoothed near3 gain	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 14:36
S50	18	(smoothed near3 gain) with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 14:41
S51	18	(averaged near3 gain) with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 14:43
S52	37	((smoothed averaged) near3 gain) with between with gain	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 14:43
S53	1	"09823619"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 17:13
S54	1	"09/823619"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/25 17:13
S55	2262	(speaker near5 (identif\$5 recogni\$6 determin\$5)) and ((two second) near5 (portion part segment section fragment group))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 09:49
S56	48	(speaker near5 (identif\$5 recogni\$6 determin\$5)) and ((two second) near5 (portion part segment section fragment group)) with (signal speech) with noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 10:13
S57	162	(speaker near5 (identif\$5 recogni\$6 determin\$5)) and ((divid\$4 seperat\$4 segmenting) near6 (two second) near5 (portion part segment section fragment group))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 10:55
S58	806	(speaker near5 (recogni\$6)) and ((two second) near5 (speaker))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 10:56
S59	56	(speaker near5 (recogni\$6)) and ((two second) near5 (speaker)) with (divid\$4 segment\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:04

S60	42	S59 and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 10:56
S61	408	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((divid\$4) near5 (speech signal input))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 10:58
S62	110	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((divid\$4) near5 (speech signal input)) and (distance near4 (compar\$6 computation calculat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:00
S63	27	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((divid\$4) near5 (speech signal input)) and (distance near4 (compar\$6 computation calculat\$4)) with (two second)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:00
S64	27	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and (((divid\$4) near5 (speech signal input)) and (distance near4 (compar\$6 computation calculat\$4)) with (two second))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:07
S65	15	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((divid\$4) near5 (speech signal input)) with (two second) and (distance near4 (compar\$6 computation calculat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:01
S66	1	09/928766	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:05
S67	98	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and (channel with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 11:07
S68	8	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((two second) near4 channel with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:30
S69	0	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((n) near4 framel with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:23
S70	6	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and ((n) near4 frame with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:24



S71	0	(speaker near5 (verif\$6 identif\$6)) and "704"/\$.ccls. and ((n) near4 frame with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:24
S72	4	(speaker near5 (identif\$6 discriminat\$4 verif\$6)) and "704"/\$.ccls. and ((two second) near4 channel with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:25
S73	27	(speaker near5 (recogni\$6)) and "704"/\$.ccls. and (((two second) near4 (segment set portion group)) with speech with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:39
S74	2604	compar\$ near4 speaker	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:39
S75	417	compar\$ near4 speaker and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:39
S76	316	compar\$ near4 speaker and "704"/\$.ccls. and (speaker near4 recogni\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:42
S77	9	two near5 speaker near4 detect\$6 and "704"/\$.ccls. and (speaker near4 recogni\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:44
S78	12	two near5 speaker near4 detect\$6 and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:42
S79	328	"704"/\$.ccls. and (speaker near4 (detect\$4 identif\$6 recogni\$6)) same ((two multiple plurality) near4 speakers)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:45
S80	254	"704"/\$.ccls. and (speaker near4 (detect\$4 identif\$6 recogni\$6)) with ((two multiple plurality) near4 speakers)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:47
S81	0	S80 and (speech with noise with (each near4 speaker))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:46
S82	117	"704"/\$.ccls. and (speaker near4 (detect\$4 identif\$6 recogni\$6)) with ((two multiple plurality) adj speakers)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:53

S83	0	"704"/\$.ccls. and (speaker near4 (detect\$4 identif\$6 recogni\$6)) with (frame with (pitch speech) with noise with extract\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:54
S84	1	"704"/\$.ccls. and (speaker near4 (detect\$4 identif\$6 recogni\$6)) with (frame with (pitch speech) with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:55
S85	2	(speaker near4 (detect\$4 identif\$6 recogni\$6)) with (frame with (pitch speech) with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:57
S86	6	(speaker near4 (detect\$4 identif\$6 recogni\$6)) with ((segment portion) with (pitch speech) with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:56
S87	134	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (frame with (pitch speech) with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 12:58
S88	0	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (each near4 frame with (pitch speech) with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:06
S89	0	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (each near4 channel with (pitch speech) with noise) and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:08
S90	109	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (channel with (pitch speech) with noise) and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:13
S91	35	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (relative near4 noise) and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:09
S92	35	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (channel with (SNR ratio)) and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:14
S93	18	(speaker near4 (detect\$4 identif\$6 recogni\$6)) and (channel with (SNR (signal-to-noise (signal near3 to near3 noise)))) and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:26
S94	0	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((signal speech pitch) with (noise) with (each near4 frame))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:27



S95	183	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((signal speech pitch) with (noise) with frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:35
S96	1556	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((segment\$4 pars\$4 divid\$4) near5 (speech signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:36
S97	330	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((segment\$4 pars\$4 divid\$4) near5 (speech signal)) with (two second)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:40
S98	991	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((segment\$4 pars\$4 divid\$4) near5 (two second))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:41
S99	82	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((segment\$4 pars\$4 divid\$4) near5 (two second)) near5 frame	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:42
S10 0	38	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((segment\$4 pars\$4 divid\$4) near5 (two)) near5 frame	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:45
S10 1	1	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((pitch with noise with speech) and (noise near4 energy with pitch))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:46
S10 2	0	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((pitch with noise with speech)) and (parallel near3 model)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:46
S10 3	76	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and (parallel near3 model)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:53
S10 4	640	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and (speech with (non\$voice non\$speech silence unvoiced))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:54
S10 5	153	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and ((speech with (non\$voice non\$speech silence unvoiced)) with (partition\$4 segment\$4 divid\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:58
S10 6	531	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and first and second near3 (input speech) and training	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:58

S10 7	410	(speaker near4 (detect\$4 identif\$6 recogni\$6 verif\$6)) and (first and second) near3 (input speech) and training	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:59
S10 8	40	noisy near4 speech and (multi-channel ((two multiple) near4 channel)) and ((voice speaker) near4 (recogni\$6 identif\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 15:05
S10 9	25	704/233.ccls. and (multi-channel ((two multiple) near4 channel)) and ((voice speaker) near4 (recogni\$6 identif\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 15:11
S11 0	219	(speech near4 noise) and (multi-channel ((two multiple) near4 channel)) and ((voice speaker) near4 (recogni\$6 identif\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 15:12
S11 1	92	S110 and (channel with (speech signal) with noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 15:55
S11 2	97	distance with speech with channel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 15:55
S11 3	25	distance with speech with channel and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 15:59
S11 4	0	distance with pitch with channel and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:00
S11 5	12	(speech with noise) with (interval period) near4 (two)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:06
S11 6	700	(speech with noise) with two	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:06
S11 7	10	S116 with ((speaker voice) near4 (recogni\$6 identificat\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:22
S11 8	170	S116 and ((speaker voice) near4 (recogni\$6 identificat\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:21

S11 9	4296	((divid\$5) near4 (portion segment frame)) and (relative near4 (signal speech))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:23
S12 0	71	((divid\$5) near4 (portion segment frame)) and ((relative mean) near4 (signal speech)) and (speaker near4 (recogni\$6 identif\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:25
S12 1	49	((divid\$5) near4 (portion segment frame)) and ((relative mean) near4 (signal speech)) and (speaker near4 (recogni\$6 identif\$6 verif\$6)) and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:40
S12 2	8	((regist\$7 train\$4) near8 repeat\$4) same distance and (speaker near4 (recogni\$6 identif\$6 verif\$6)) and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:46
S12 3	0	each near3 frame and (speaker near4 (recogni\$6 identif\$6 verif\$6)) and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:43
S12 4	0	each near3 frame and (speaker near4 (recogni\$6 identif\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:43
S12 5	798	pair and (speaker near4 (recogni\$6 identif\$6 verif\$6)) and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:46
S12 6	18	pair with speech with noise and (speaker near4 (recogni\$6 identif\$6 verif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/04 16:46
S12 7	6	((pair two second) near4 channel) and (speaker near5 (verifi\$6 identif\$6)) and (relative near4 (noise level) near5 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:01
S12 8	0	((pair two second) near4 channel) and (speaker near5 (recogni\$6)) and (relative near4 (noise level) near5 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:01
S12 9	8	((pair two second) near4 channel) same noise same speech and (speaker near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:11
S13 0	5	((pair two second) near4 channel) same noise same speech and (voice near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:13

S13 1	3	(pair near4 (frame block portion segment)) same noise same speech and (voice near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:15
S13 2	0	(each near4 (frame channel block portion segment)) same noise same speech and ((speech voice) near5 (verifi\$6 identif\$6)) and ((two pair second) near4 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:15
S13 3	94	((two pair second) near4 channel) and noise same speech and (voice near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:16
S13 4	115	((two pair second) near4 channel) and noise same speech and ((speech voice) near5 (verifi\$6 identif\$6)) and ((relative average mean) near4 (noise level signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:17
S13 5	55	((two pair second) near4 vector) same noise same speech and ((speech voice) near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:31
S13 6	597	((two pair second) with noise with (signal speech pitch)) and ((speech voice) near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 08:32
S13 7	84	((two pair second) near4 (sets frame group portion) with noise with (signal speech pitch)) and ((speech voice) near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:10
S13 8	0	((each) near4 (frame block segment) with noise with (signal speech pitch)) and ((speech voice) near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:11
S13 9	607	((frame block segment) with noise with (signal speech pitch)) and ((speech voice) near5 (verifi\$6 identif\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:11
S14 0	0	((frame block segment) with noise with (signal speech pitch)) and ((speech voice) near5 (verifi\$6 identif\$6)) and "704"/\$ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:13
S14 1	0	noise near4 floor and zirkel and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:13
S14 2	0	noise near4 floor and zirkel-hancock and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:13

S14 3	0	noise near4 floor and zirkel-hancock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:13
S14 4	9	noise near4 floor and distance and 704/233.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:14
S14 5	74	noise near4 floor and distance and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:15
S14 6	0	zirkel and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:15
S14 7	0	zirkel-hancock and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:15
S14 8	0	zirkle-hancock and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:15
S14 9	191	noise near4 floor and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:15
S15 0	0	zirkel-hancock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:17
S15 2	0	zirkel near2 hancock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:17
S15 3	0	zirkle near2 hancock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:20
S15 4	94	noise near4 floor with distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:20
S15 5	1	noise near4 floor with distance and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:20

S15 6	0	noise near4 floor same distance with speech with noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:21
S15 7	3	noise near4 floor and distance with speech with noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:26
S15 8	1897	noise and distance and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:23
S15 9	46	noise near4 floor same ((two second pair) near4 frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:24
S16 0	2	noise near4 floor same distance with speech with noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:26
S16 1	16	distance with speech with noise with (frame block)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:37
S16 2	21	distance with speech with noise and ((voice speaker) near4 (identif\$6 verif\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:40
S16 3	10	distance with speech with "noisy speech"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:42
S16 4	10	distance with "noisy speech"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:43
S16 5	989	((parallel near4 model near3 combination) PMC) and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:44
S16 6	53	((parallel near4 model near3 combination) PMC) and distance and speech and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:44
S16 7	24	(parallel near4 model near3 combination) and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:49



S16 8	49	(parallel near4 model near3 combination) and difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:52
S16 9	145	((difference) near7 speech near8 frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:53
S17 0	268	((difference distance) near7 speech near8 frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 09:53
S17 1	163	((difference distance) near7 speech near8 frame) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:21
S17 2	0	zirkle\$hancock zirkel\$hancock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:06
S17 3	0	zirkle near4 hancock zirkel near3 hancock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:07
S17 4	0	zirkle near4 handcock zirkel near3 handcock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:07
S17 8	192	noise near5 floor and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:13
S18 3	6	difference with noisy with clean with speech	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:16
S18 4	568	((difference distance) near7 (energy level) near8 frame) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:21
S18 5	101	((difference distance) near7 (energy level) near8 frame) and noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:21
S18 6	21	((difference distance) near7 (energy level) near8 frame) and noise and ((speaker voice) near4 (identif\$6 verif\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 10:36

S18 7	20	((difference distance) near7 (energy level) near8 frame) and noise and ((speaker) near4 (recogni\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:08
S18 8	13	((difference distance) near7 (pitch) near8 frame) and noise and ((speaker) near4 (recogni\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:10
S18 9	7	((difference distance) near7 (speech voice) near8 frame near5 (previous current)) and noise and ((speaker) near4 (recogni\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:12
S19 0	21	((difference distance) near7 (speech voice) near8 segment) and noise and ((speaker) near4 (recogni\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:43
S19 1	169	((difference distance) near7 (speech voice) near8 frame) and noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:45
S19 2	105	((difference distance) near7 (speech voice) near8 between near6 frame) and noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:52
S19 3	9	((difference distance) near7 (speech voice energy pitch) near8 adjacent near6 frame) and noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:49
S19 4	3	((difference distance) near7 (speech voice energy pitch) near8 adjacent near6 (block segment)) and noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:49
S19 5	10	(zer\$11.in. zur\$11.in. zir\$11.in.) and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:54
S19 6	3	(zer\$11.in. zur\$11.in. zir\$11.in.) and (noise near4 floor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:54
S19 7	7775	((difference distance) near6 (speech voice energy level signal power) near6 (frame block segment portion)) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:58
S19 8	467	S197 and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:56

S19 9	701	((difference distance) near6 (speech voice energy level signal power) near6 (frame block segment portion) near5 (adjacent previous next subsequent prior)) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:58
S20 0	829	((difference distance) near6 (speech voice energy level signal power) near6 (frame block segment portion) near5 (adjacent previous next subsequent prior preceding)) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 11:59
S20 1	65	((difference distance) near6 (speech voice energy level signal power) near6 (frame block segment portion) near5 (adjacent previous next subsequent prior preceding)) and noise and "704"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 12:11
S20 2	2	tzirkel-hancock and noise near3 floor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 12:12
S20 3	2	"5960395".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 14:14
S20 4	5	(difference distance) near5 ((noisy near3 speech) (noise near4 speech)) with clean	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 14:16
S20 5	3	((mobile cellular) near4 telephone) and (noise near5 model near4 (adapt\$4 compensat\$4)) and (speaker near4 (recogni\$6 verif\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:13
S20 6	10	((mobile cellular) near4 (communication telephone phone)) and (noise near5 model near4 (adapt\$4 compensat\$4)) and (speaker near4 (recogni\$6 verif\$4 identificat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:29
S20 7	4	((wireless) near4 (device communication telephone phone)) and (noise near5 model near4 (adapt\$4 compensat\$4)) and (speaker near4 (recogni\$6 verif\$4 identificat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:19

S208	36	((wireless) near4 (device communication telephone phone)) and (model near4 (adapt\$4 compensat\$4)) and (speaker near4 (recogni\$6 verif\$4 identificat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:19
S209	93	((mobile cellular) near4 (communication telephone phone)) and (model near4 (adapt\$4 compensat\$4)) and (speaker near4 (recogni\$6 verif\$4 identificat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:19
S210	9	((mobile cellular) near4 (communication telephone phone)) and (noise near5 model near4 (adapt\$4 compensat\$4)) and (voice near4 (recogni\$6 verif\$4 identificat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:23
S211	5	((mobile cellular wireless) near4 (communication telephone phone device)) and (noise near5 (adapt\$4 compensat\$4)) and 704/246.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:26
S212	8	(mobile cellular wireless) and (noise near5 (adapt\$4 compensat\$4)) and 704/246.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:26
S213	15	((mobile cellular wireless)) and (noise near5 model near4 (adapt\$4 compensat\$4)) and (speaker near4 (recogni\$6 verif\$4 identificat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:27
S214	2036	((mobile cellular) near4 (communication telephone phone)) and ((voice speaker) near4 (recogni\$6 verif\$4 identificat\$6)) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:29
S215	64	((mobile cellular) near4 (communication telephone phone)) and ((voice speaker) near4 (recogni\$6 verif\$4 identificat\$6)) and noise near4 model	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:30
S216	36	((mobile cellular) near4 (communication telephone phone)) and ((speaker) near4 (recogni\$6 verif\$4 identificat\$6)) and noise near4 model	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/05 16:30